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11 JUN 1984

ENR-13

Mr. George Rude
Tech Law, Inc.
1280P West Cutoff Avenue
Suite C310
Lakewood, Colorado 80215

Dear Mr. Rude:

This letter summarizes my understanding of the meeting with you, representatives of the MPCA, DNR, and EPA held in MPCA offices on June 4, 1984. It also recounts a phone conversation I had with Brenda Marcus of Tech Law on July 3, 1984.

With regard to the data sent to you by the MPCA, it is of prime importance to check the validity of the data with respect to quality control and to assure chain of custody procedures for sample trafficking. With respect to quality control, the analyst should check recoveries of surrogate spikes with respect to measured compounds and the mass spectra with respect to the qualitative analysis. The lab's internal quality control should be audited with respect to its precision, accuracy and detection limit per method of analysis. This could be done on certain sampling events for each of the data generators. I recommend prioritizing the quality check of CH2M-Hill data first, then University of Iowa data collected by E.A. Nickak and Associates and Midwest Research Institute (MRI) data. Thereafter, Minnesota Department of Health, USEPA, MCA, and any other data can be quality checked.

I realize this is a lot of work so only specific sampling events need be analyzed initially. I suggest auditing 2 or 3 sampling dates from each data generator, then, if the permits, analysis of all data can be done. If faulty data are found I would like it reported immediately to me and the MPCA. The data, when analyzed, can be categorized as acceptable, not acceptable, or acceptable with limitations. The limitations should be expressed in the analysts' format. If there is insufficient data, spectra, or other related information, we must call the labs that performed the analysis. Please make a list of information you need to complete this quality control audit and I will contact the labs involved.

The format for this review, which is of secondary importance, has been explained by the MPCA at our meeting. The idea is to organize the data on tape so it can be readily transferred to the EPA tape. The reporting format for this effort should be coordinated with Mr. Mark Stroemer of the MPCA. His phone number is 612-296-7399.

The "reference" of data was best compiled by CH2M-Hill in attachment B-6 of their appendices to the report, "Evaluation of Drumsticker Treatment and Water Supply Alternatives for St. Louis Park, Minnesota." You have more data now than CH2M-Hill reported but it's best to start with their compilation for an understanding of the type of compounds measured and the sources of analyses.

Under separate cover I am sending you data that has been quality controlled to our Regional offices as an example of a quality control review. Please call or at 312-666-3007, so we can initiate this effort, and determine the amount of time necessary to complete it.

Sincerely,

Paul Ritter, DSC

cc: Simonett, MPCA
Riney, MPCA
Hirsh, DOJ
Leininger, EPA-S
Shackman, MPCA AG
Wofford, EPA-HQ
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